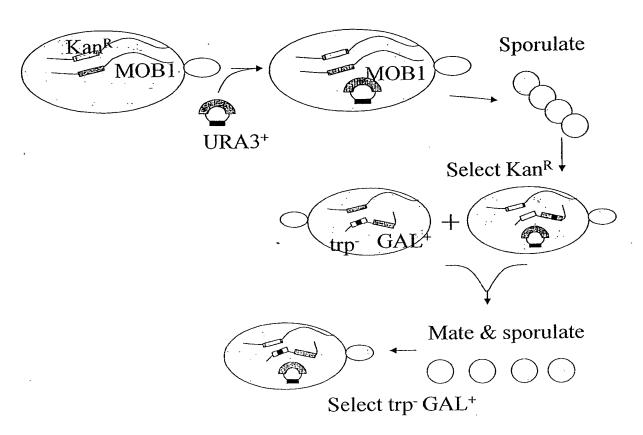
Inventor: Steven SEDGWICK et al. Appln. No.: New Application Docket No.: 015959-00015

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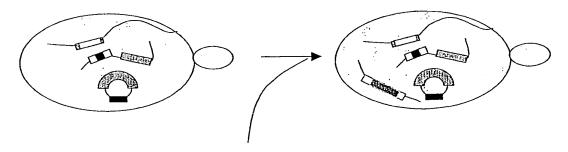
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#### FIGURE 1



# FIGURE 2



PEP4::LEU2

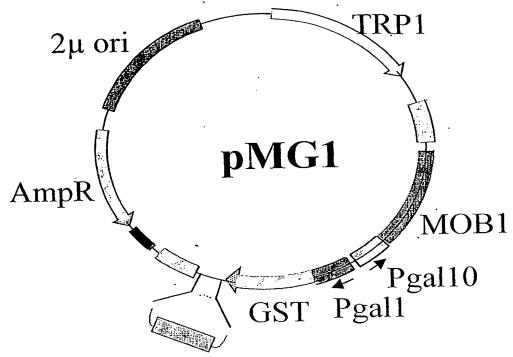
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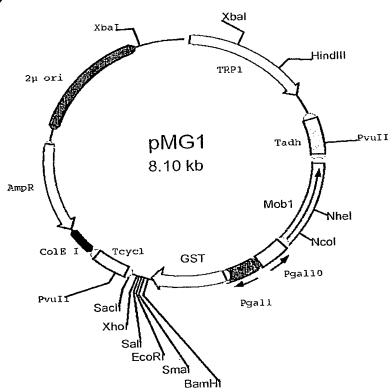
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#### FIGURE 3A



# Cloned gene

# FIGURE 3B



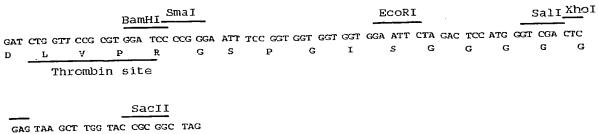
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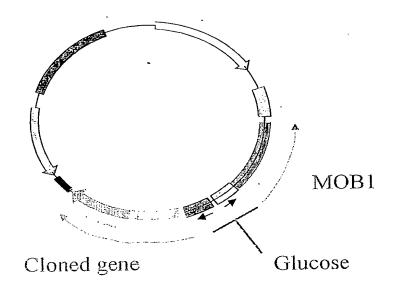
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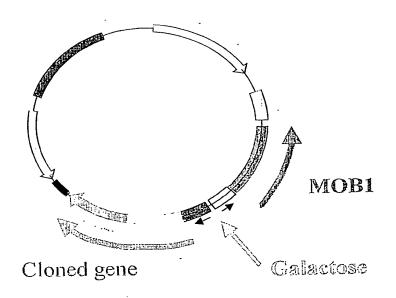
#### FIGURE 4



# FIGURE 5A



#### FIGURE 5B

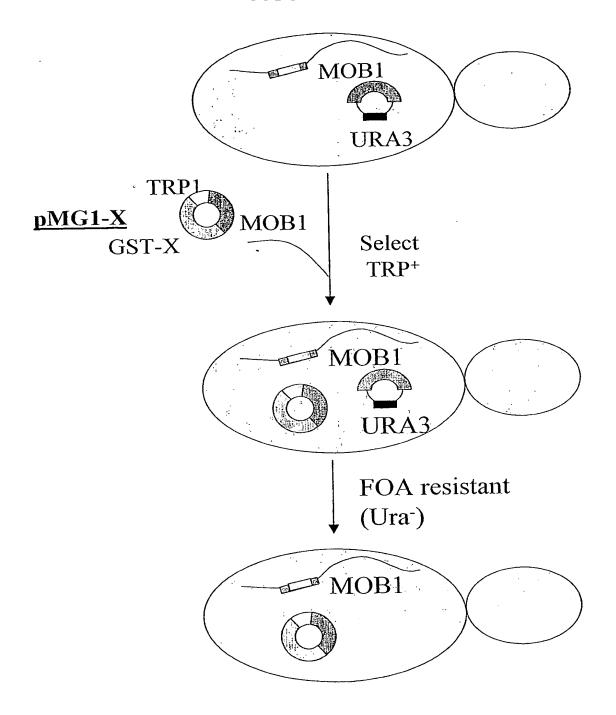


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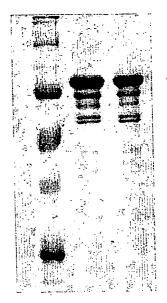
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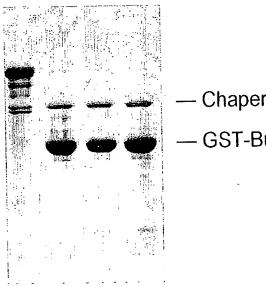
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# FIGURE 7



- GST-Bfa1
- Chaperone



- Chaperone
- GST-Bub2

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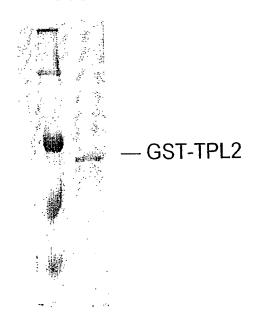
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FIGURE 10



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# FIGURE 11A

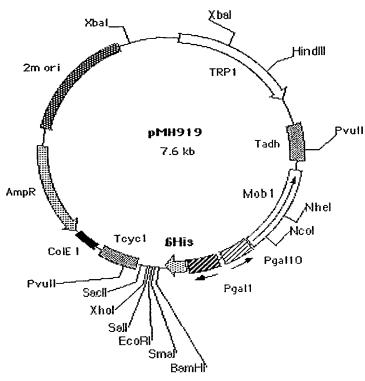
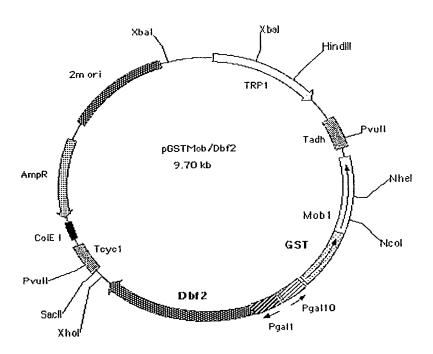


FIGURE 11B



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#### FIGURE 12

source galactose		Sig	ma			Acı	os		
%galactose	2	1	0.5	0.2	2	1	0.5	0.2	
GST-Ubc4-									

# FIGURE 13

% sucrose	1	1	1	1	1
% glucose	2	1	0.5	0.2	0

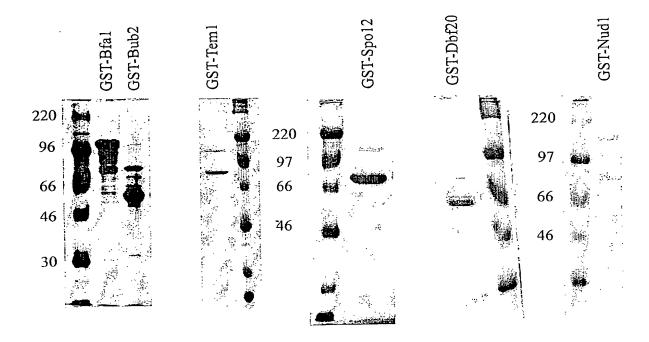
GST-TPL2-

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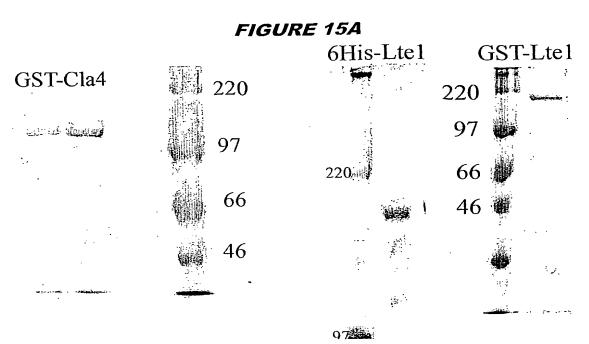


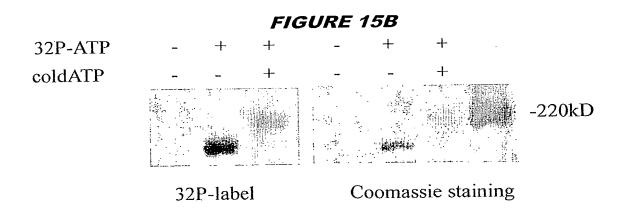


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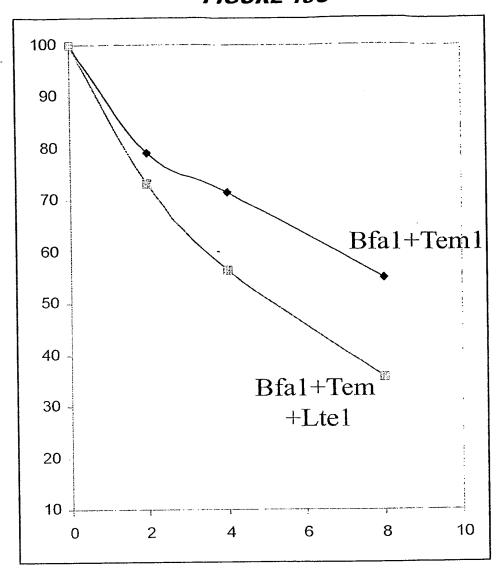




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FIGURE 15C



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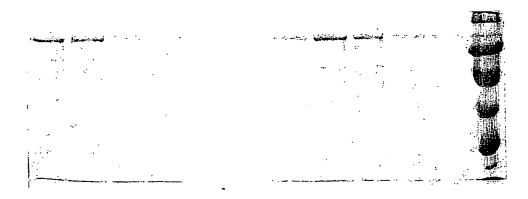
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#### FIGURE 16A

GST-Cdc15wt

GST-Cdc15kd



# FIGURE 16B

Cdc15kd + + + + +
Cdc15kd + + + +
MBP + +
Mob1/Dbf2kd + +
Mob1 + +

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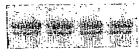
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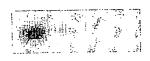
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#### FIGURE 16C

Cdc15wt + +
Cdc15kd + +
GST-Mob1 / Dbf2wt + +
GST-Mob1 / Dbf2kd + +



Stained Histone H1



Radio-labelled Histone H1

#### FIGURE 17

GST-Mob1+Dbf2wt GST-Mob1+Dbf2 kinase dead N305A

GST-Mob1+Dbf2 wt
GST-Mob1+Dbf2 hyperactive



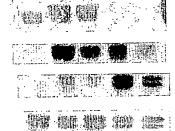
GST-Mob1

GST

GST-Mob1+Dbf2 hyperactive

GST-Mob1/Dbf2wt





Mob1+Dbf2 stain

Autophosphoylation

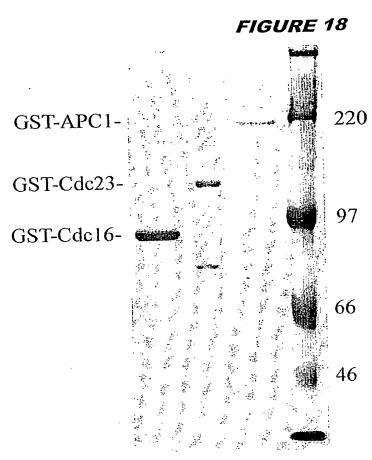
Histone H1 Phosphorylation

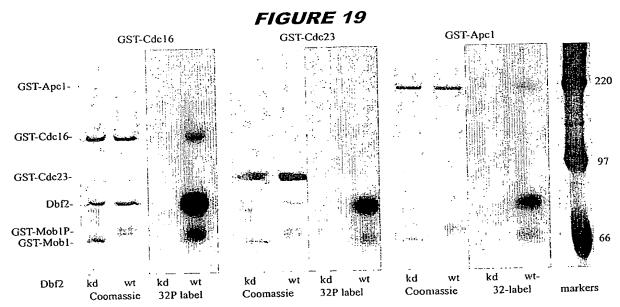
Histone H1 stain

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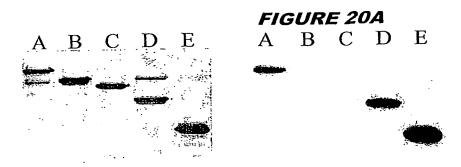


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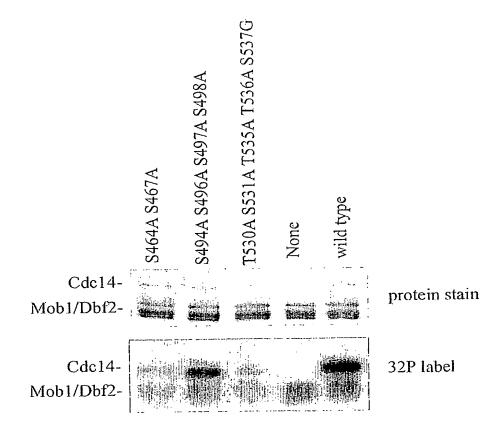
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Coomassie stain		32P-label			
A	1	Cdc14	551		
A	1		-551		
В	1	460			
C	1	372			
D		316 ———	<b>-</b> 551		
E		462	<b>-</b> 551		

# FIGURE 20B



# REST AVAILABLE COPY

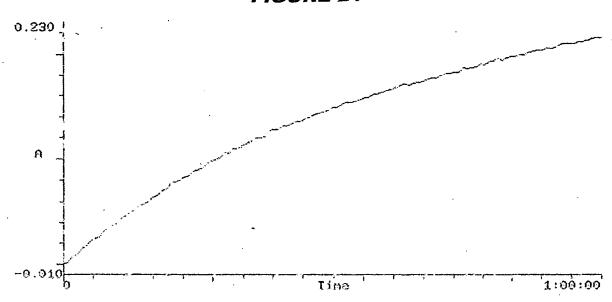
Inventor: Steven SEDGWICK et al. Appln. No.: New Application Docket No.: 015959-00015

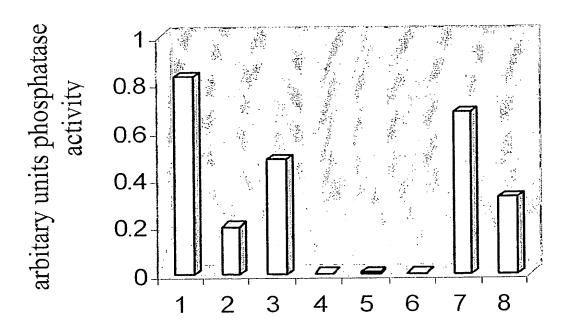
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Inventor: Steven SEDGWICK e Appln. No.: New Application Docket No.: 015959-00015

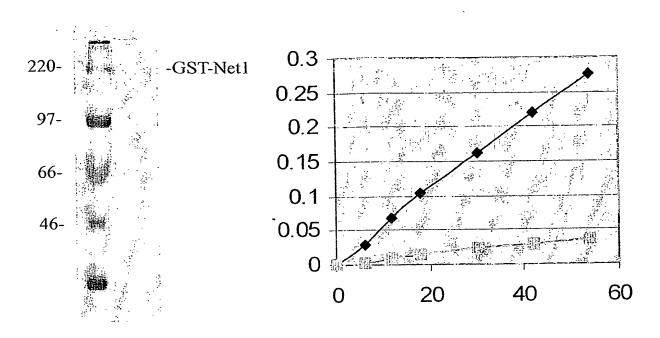
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# FIGURE 23A

# FIGURE 23B



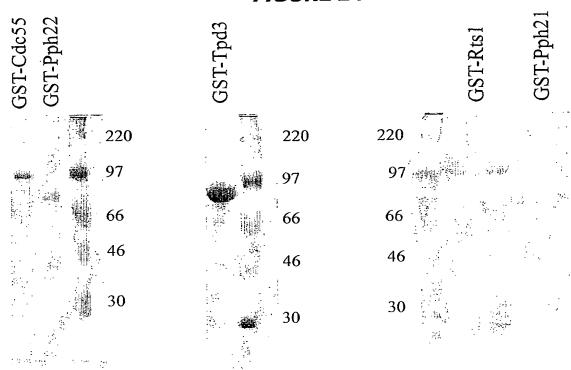
Inventor: Steven SEDGWICK et al. Appln. No.: New Application Docket No.: 015959-00015

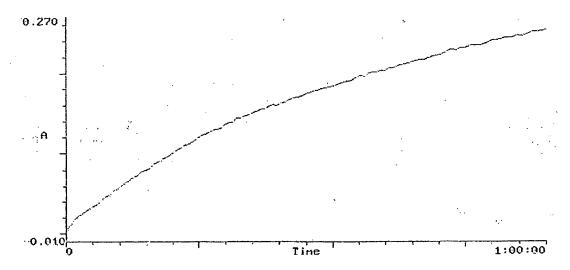
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# FIGURE 24





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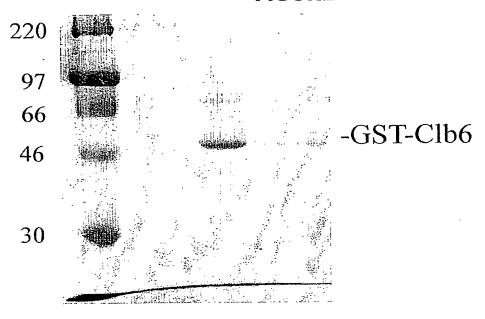
Inventor: Steven SEDGWICK e Appln. No.: New Application Docket No.: 015959-00015

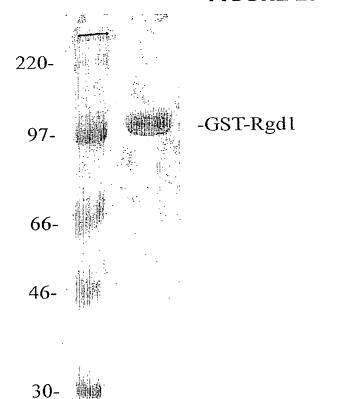
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# FIGURE 26





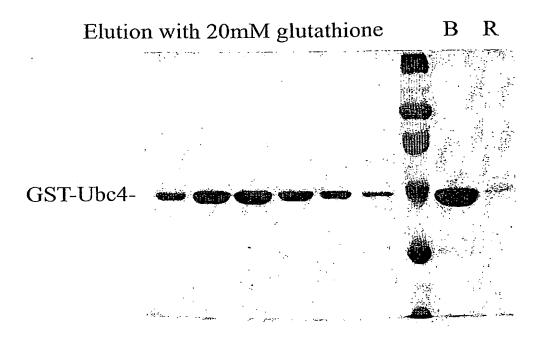
Inventor: Steven SEDGWICK et al. Appln. No.: New Application Docket No.: 015959-00015

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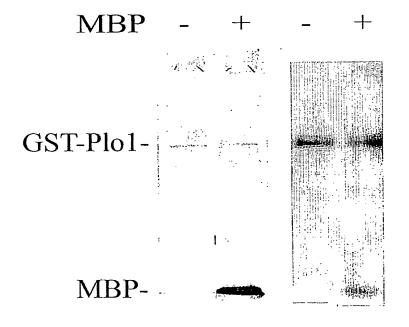
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#### FIGURE 28



# FIGURE 29



Coomassie 32P label

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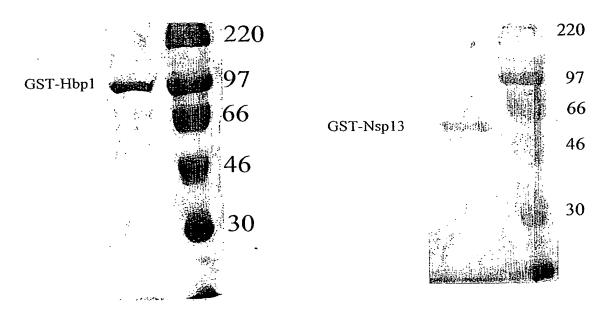
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# FIGURE 30A

#### FIGURE 30B



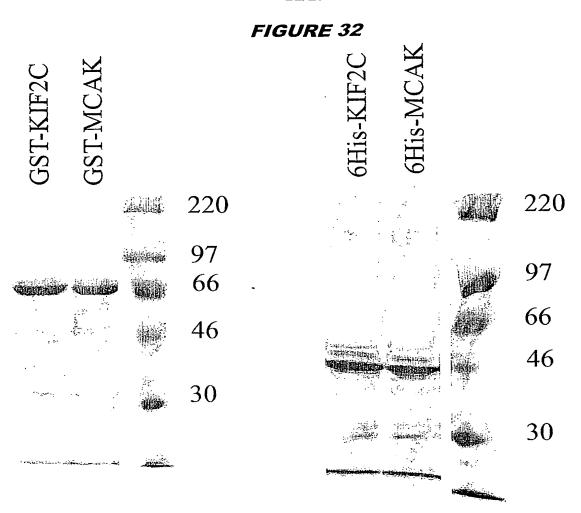
# FIGURE 31

# 97 66 POLO DOMAINS46

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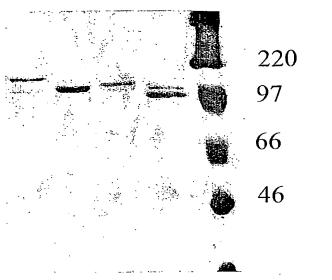
WO 2005/078105

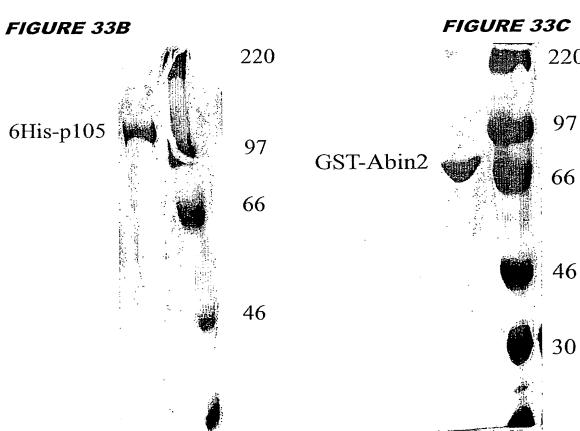
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# FIGURE 33A

# wt ΔC ΔN ΔNΔC





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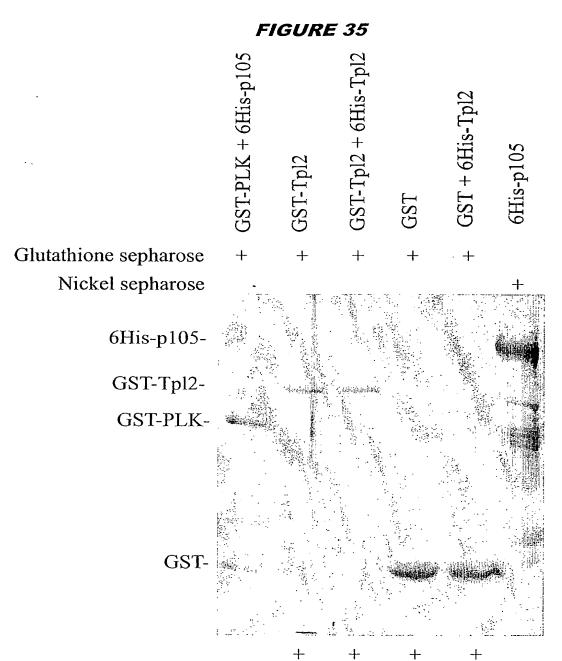
	er e		220
			97 66
			46
			30
		 	a

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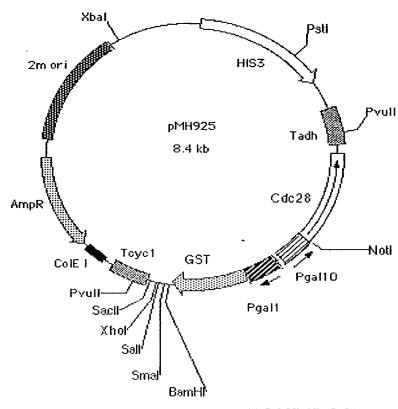
Inventor: Steven SEDGWICK et al. Appln. No.: New Application Docket No.: 015959-00015

WO 2005/078105

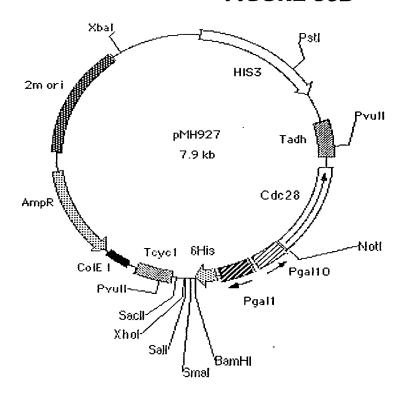
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# FIGURE 36A



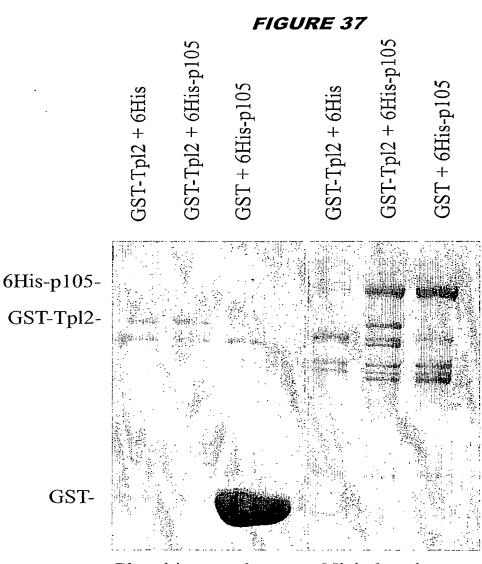
#### FIGURE 36B



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Glutathione sepharose Nickel sepharose